

ABSTRACT

A system, method, and apparatus for preparing an absorbent core for use in absorbent garments is disclosed. The apparatus includes a funnel having a first end and a second end, the second end being narrower in diameter than the first end, and a nozzle having a straight section, a curved section, and a tip. The straight section of the nozzle is operatively associated with the second end of the funnel. The apparatus further includes a diverter plate operatively associated with the curved section of the nozzle. The invention provides a more uniform distribution of super absorbent particles within the fluff pulp used to make the absorbent core, thus improving performance of the absorbent core. An absorbent garment made using an absorbent core made with the apparatus of the invention also is disclosed. The absorbent garment provides better leakage protection than absorbent garments incorporating conventional absorbent cores.

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